TOSZ50 92Eh9860

FIG. 1

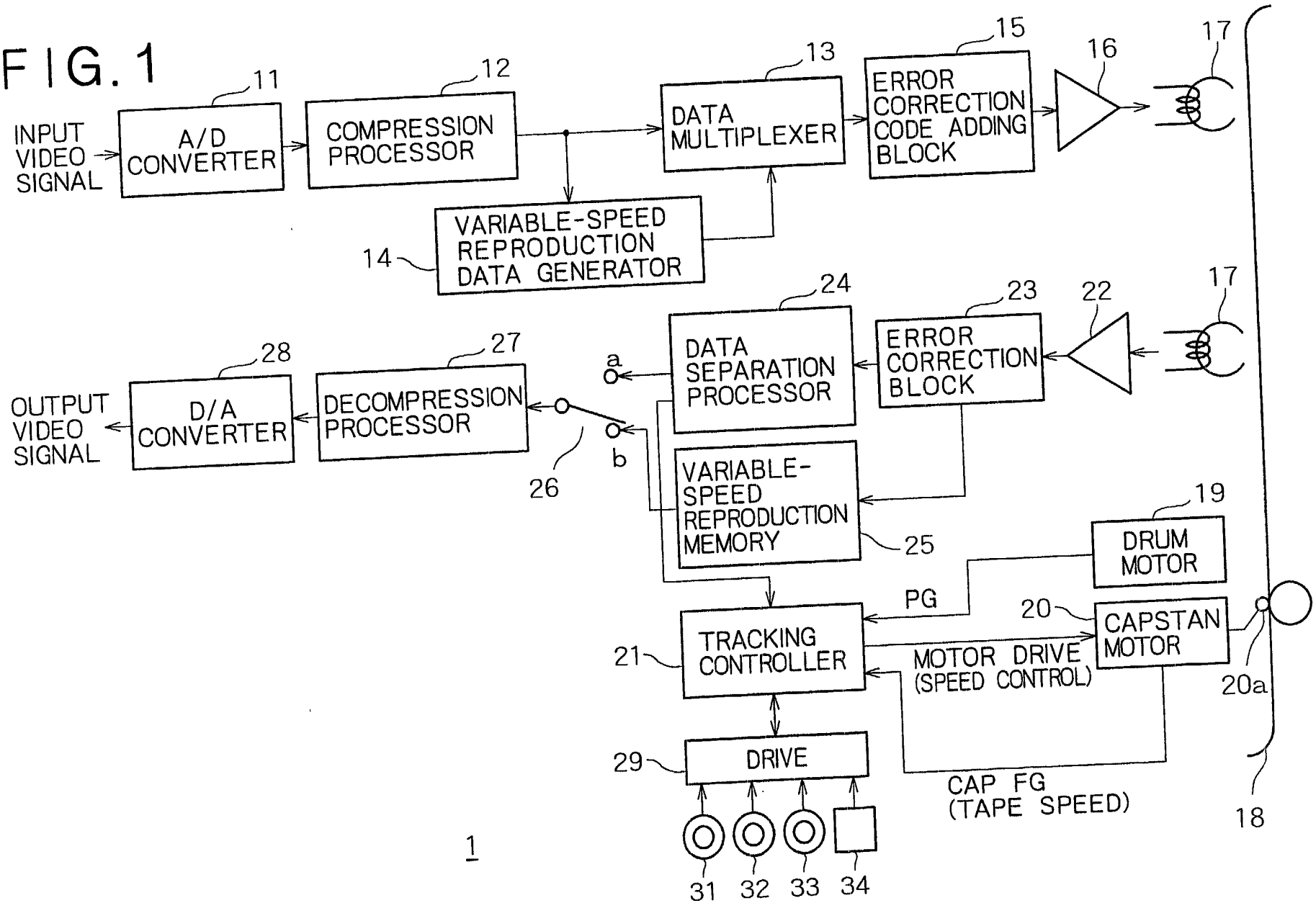
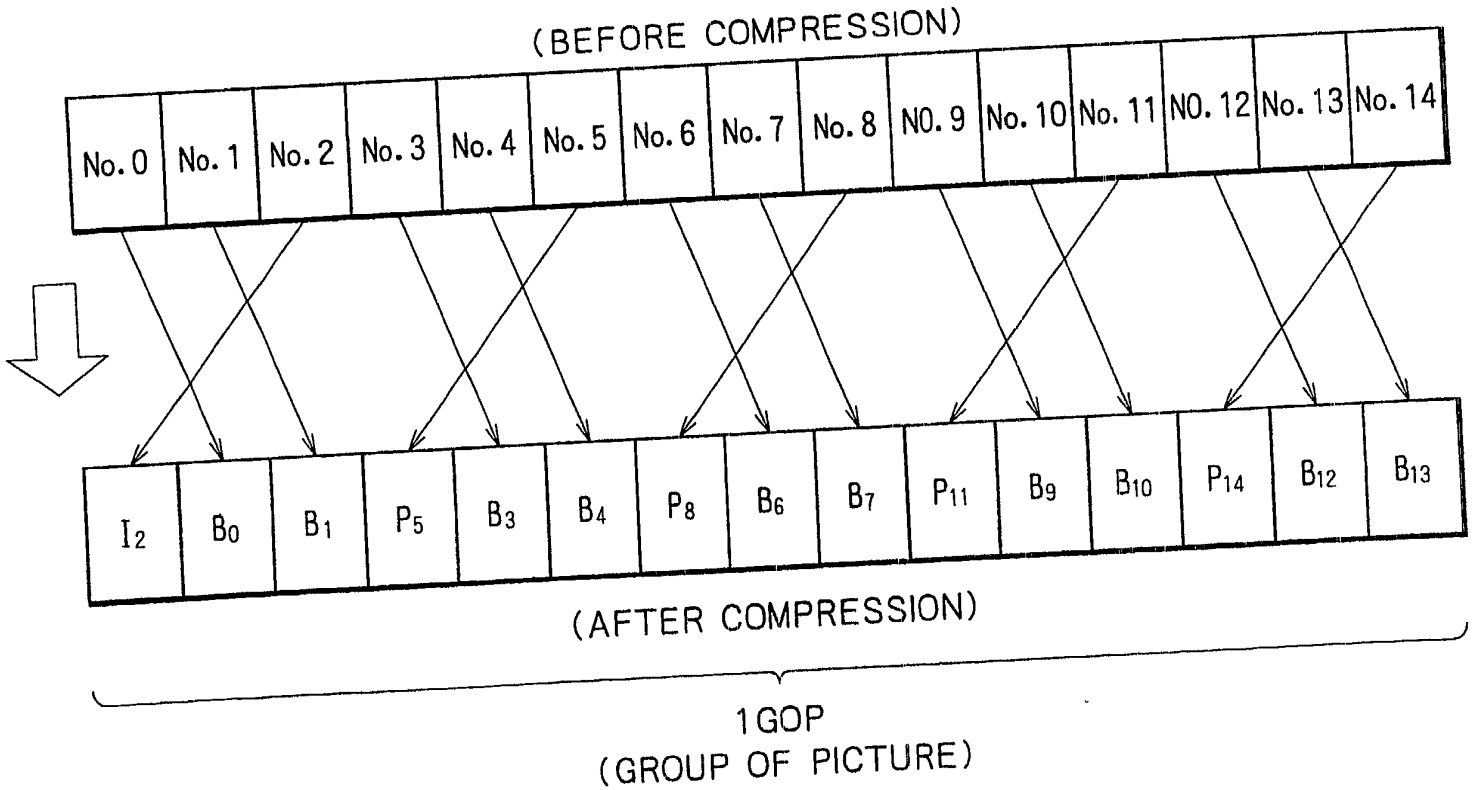


FIG. 2


(BEFORE COMPRESSION)
No. 0
No. 1
No. 2
No. 3
No. 4
No. 5
No. 6
No. 7
No. 8
NO. 9
No. 10
No. 11
NO. 12
No. 13
No. 14
I2
B0
B1
P5
B3
B4
P8
B6
B7
P11
B9
B10
P14
B12
B13
(AFTER COMPRESSION)
1GOP
(GROUP OF PICTURE)

TOSHIBA SEARCH

FIG. 3

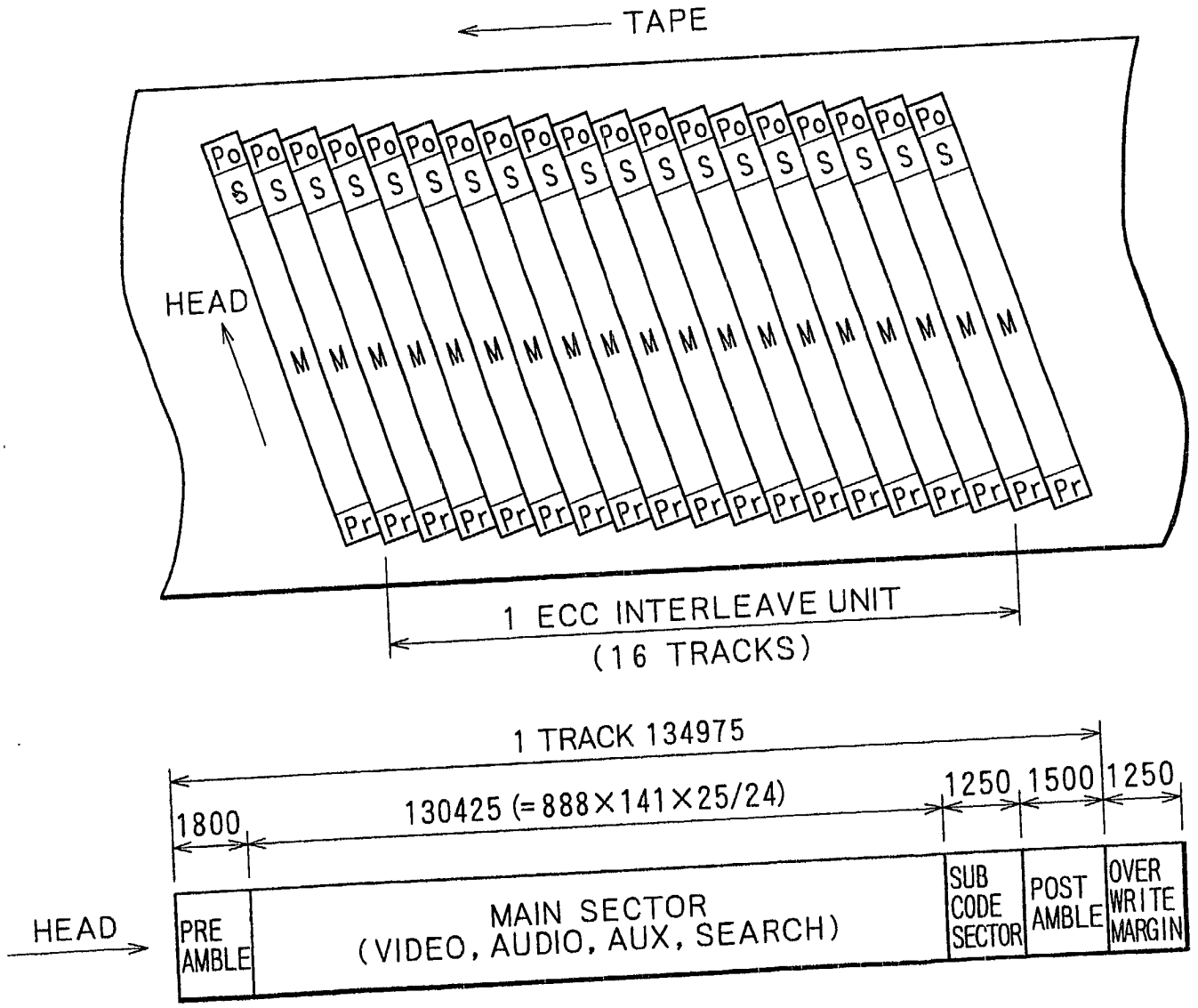


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FIG. 4

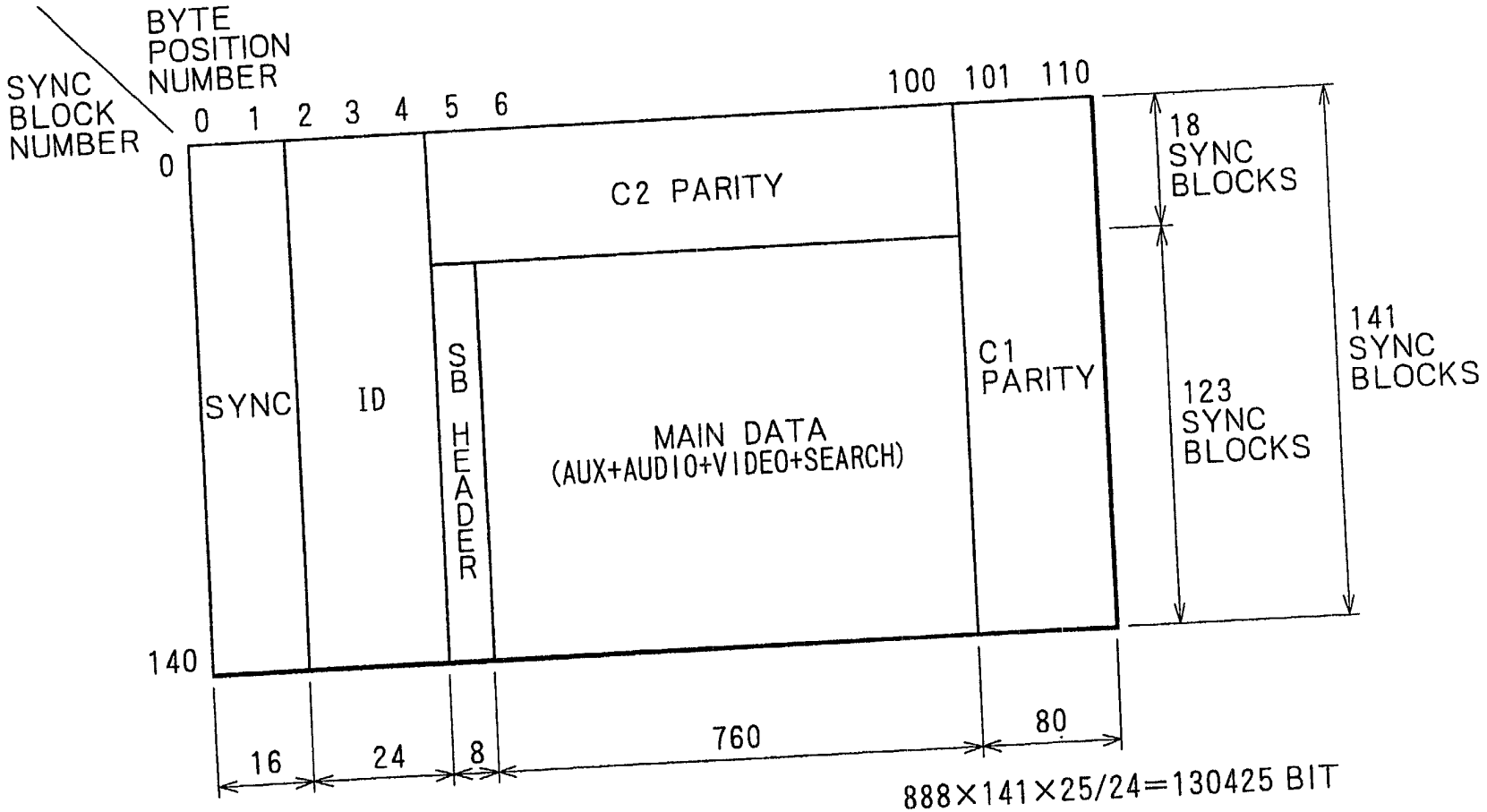

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FIG.5

ID0								ID1	ID2	SB HEADER (1BYTES)	DATA (95BYTES)
b7	b6	b5	b4	b3	b2	b1	b0				
F_TYPE				TRACK PAIR NUMBER (0-63)				SYNC BLOCK NUMBER (0-140)	OVERWRITE PROTECT	SB HEADER	DATA
F_TYPE (E)				TRACK PAIR NUMBER (0-63)				SYNC BLOCK NUMBER (0-140)	OVERWRITE PROTECT	SB HEADER	DATA

FIG.6

MAIN DATA TYPE			CONTENTS				
b7	b6	b5	b4	b3	b2	b1	b0
0	PES-VIDEO		F/P	CONTINUITY COUNTER			
1	PES-AUDIO		F/P	CONTINUITY COUNTER			
2	SEARCH		V/A	SEARCH SPEED			RES
3	AUX		AUX MODE			RESERVED	
4	TS-1H		JUMP FLAG	TIME STAMP			
5	TS-2H		CONTINUITY COUNTER				
6	NULL		RESERVED				
7	RESERVED		RESERVED				

P/F : PARTIAL/FULL
V/A : VIDEO/AUDIO

FIG.7

SEARCH SPEED

0 : RESERVED
1 : 4-FOLD SPEED
2 : 8-FOLD SPEED
3 : 16-FOLD SPEED
4 : 24-FOLD SPEED
5 : 32-FOLD SPEED
6–7 : RESERVED

FIG.8

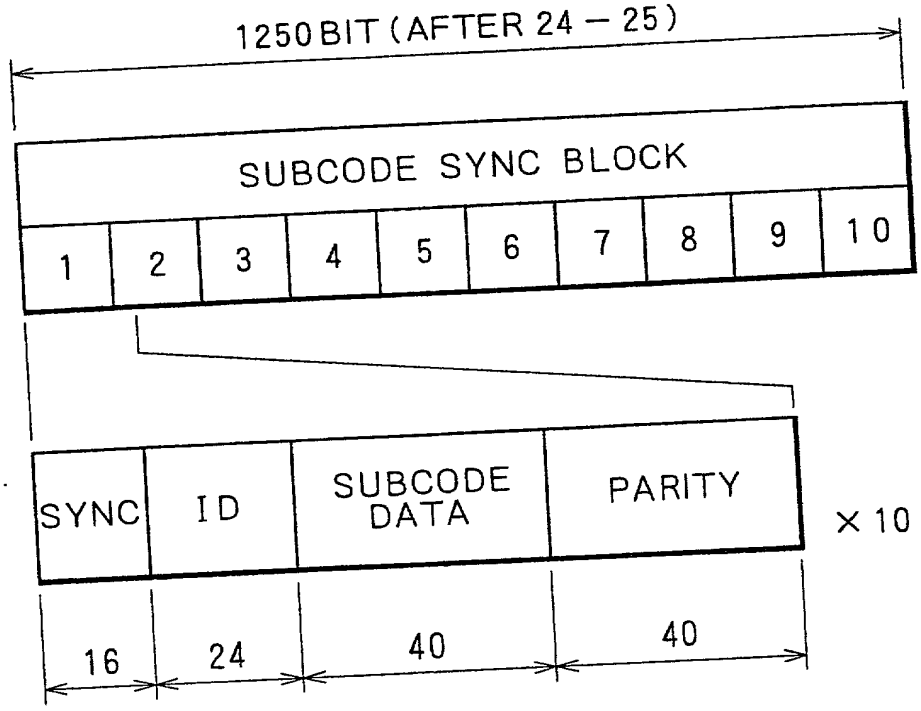

FIG.9

ID0		ID1		ID2
b7-b5	b4-b0	b7-b4	b3-b0	
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(0)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(1)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(2)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(3)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(4)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(5)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(6)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(7)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(8)	OVERWRITE PROTECT
F_TYPE	TRACK PAIR NUMBER(0-31)	RESERVED	SB NUMBER(9)	OVERWRITE PROTECT

JP05250°9E2h9800

FIG.10A

USER TAPE

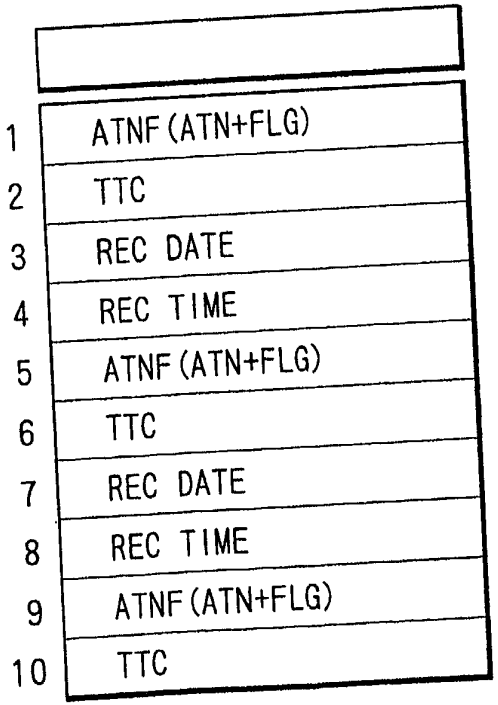

FIG.10B

PRE REC TAPE

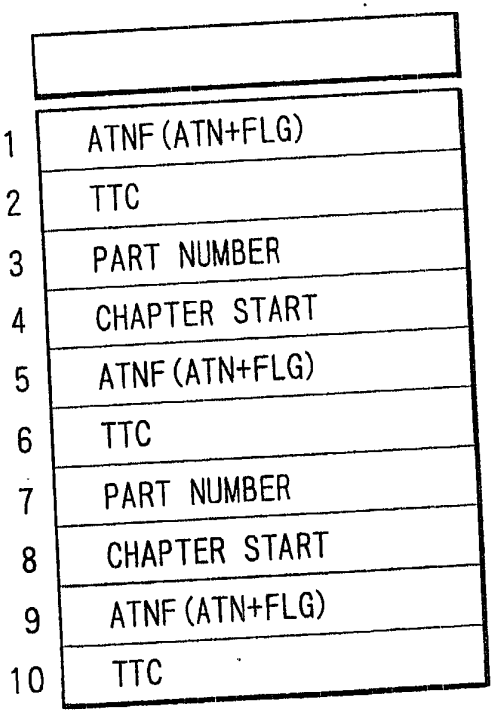

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FIG. 11

BIT	FLG	CONTENTS
b7	I	INDEX ID
b6	—	RESERVED
b5	P	PP ID(STILL/MOTION PICTURE CHANGE POINT)
b4	EH	EDIT HEADER ECC BLOCK IS HERE
b3	↑ EPO ↓	EDIT PICTURE HEADER OFFSET(0-15)
b2		
b1		
b0		

EP 0 952 580 A2

FIG. 12

bit	b7	b6	b5	b4	b3	b2	b1	b0
D1	S2	S1	f11	f10	f3	f2	f1	f0
D2	S3	s12	s11	s10	s3	s2	s1	s0
D3	S4	m12	m11	m10	m3	m2	m1	m0
D4	S6	S5	h11	h10	h3	h2	h1	h0

JP05250962+9860

FIG. 13

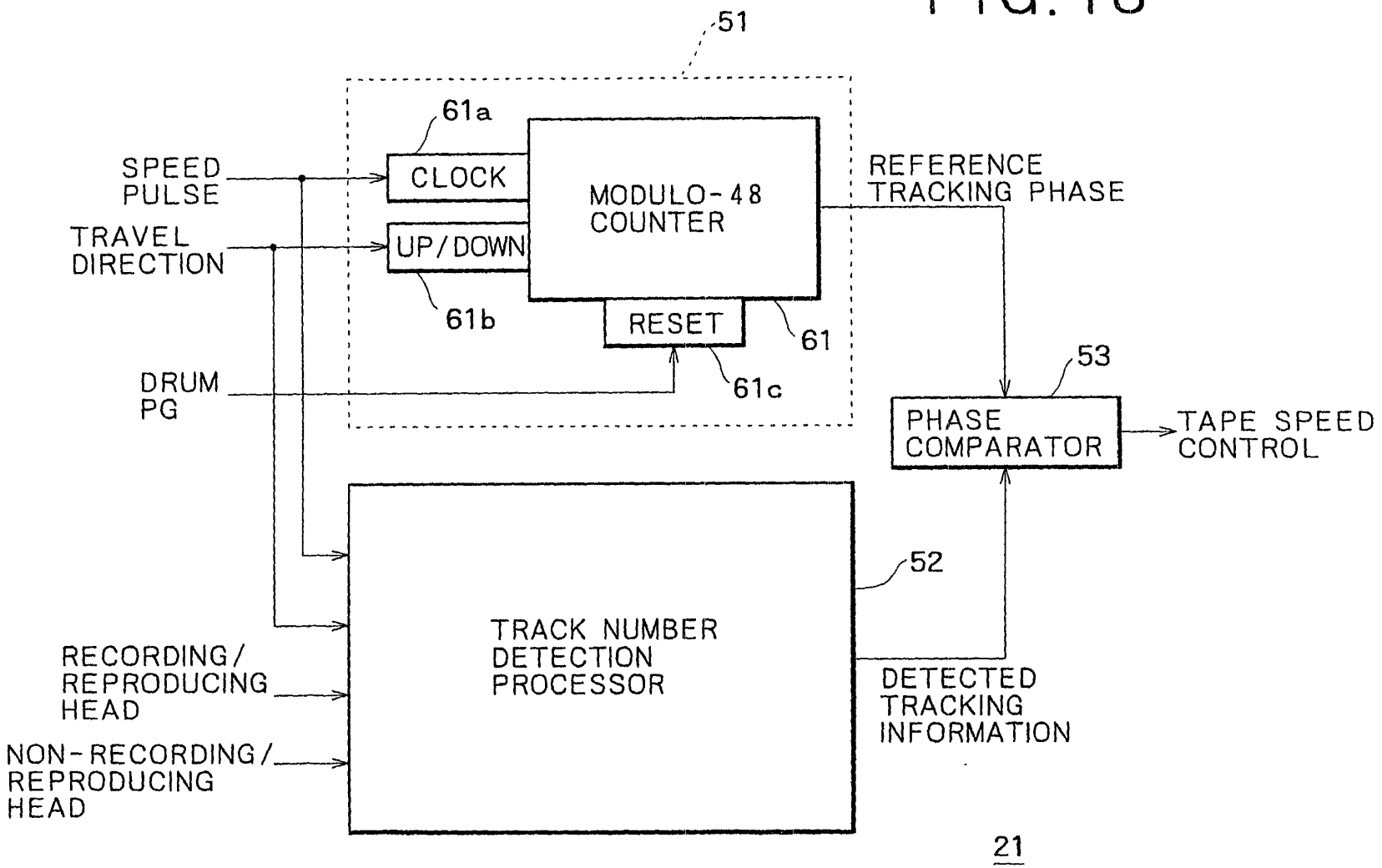
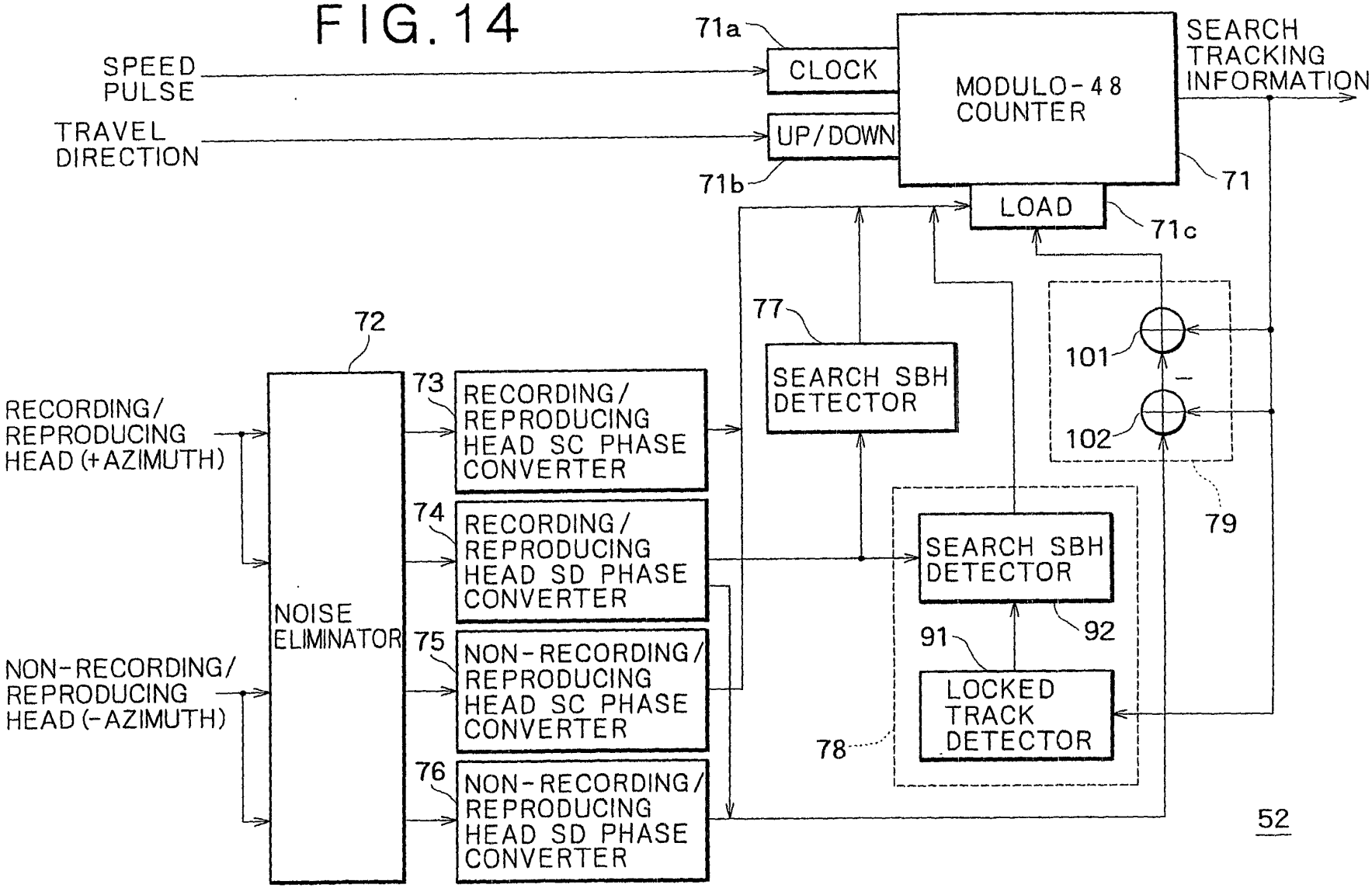


FIG. 14


SPEED PULSE
TRAVEL DIRECTION
71a
CLOCK
UP/DOWN
71b
MODULO-48 COUNTER
71
SEARCH TRACKING INFORMATION
LOAD
71c
72
77
SEARCH SBH DETECTOR
101
102
79
RECORDING/ REPRODUCING HEAD (+AZIMUTH)
NON-RECORDING/ REPRODUCING HEAD (-AZIMUTH)
NOISE ELIMINATOR
73
RECORDING/ REPRODUCING HEAD SC PHASE CONVERTER
74
RECORDING/ REPRODUCING HEAD SD PHASE CONVERTER
75
NON-RECORDING/ REPRODUCING HEAD SC PHASE CONVERTER
76
NON-RECORDING/ REPRODUCING HEAD SD PHASE CONVERTER
SEARCH SBH DETECTOR
92
91
LOCKED TRACK DETECTOR
78
52

TOSHIBA 92-6-9860

FIG. 15

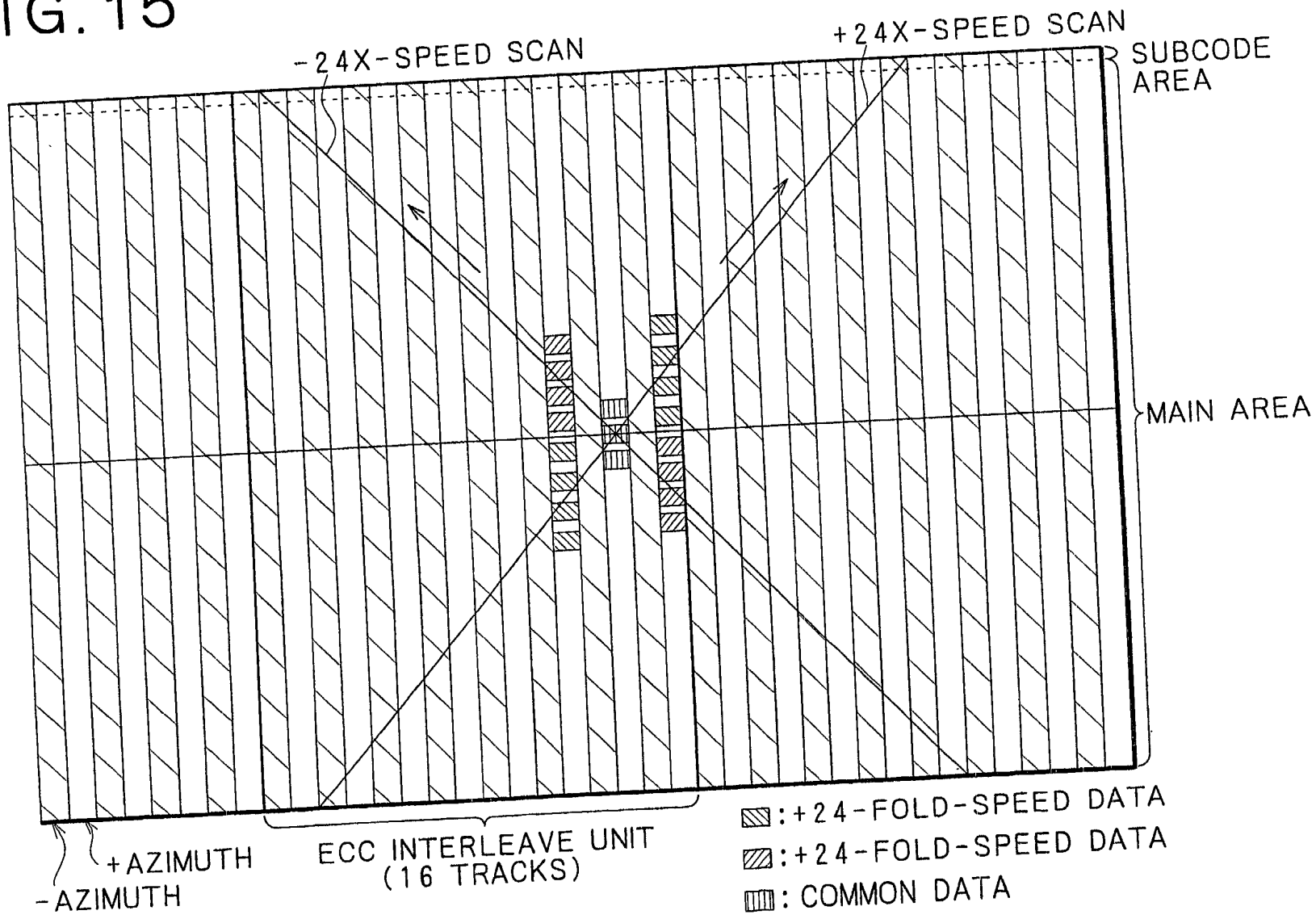


FIG. 16

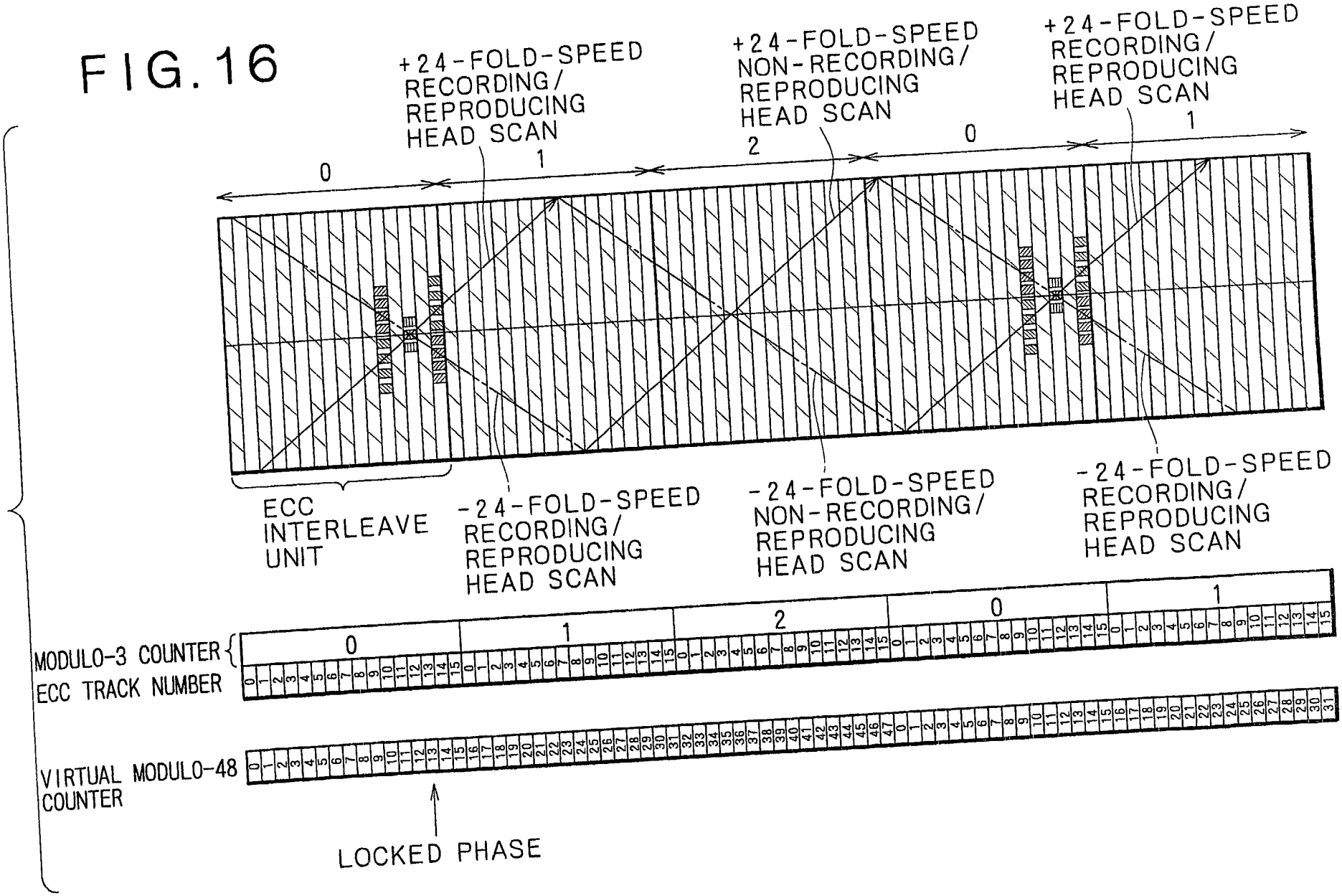
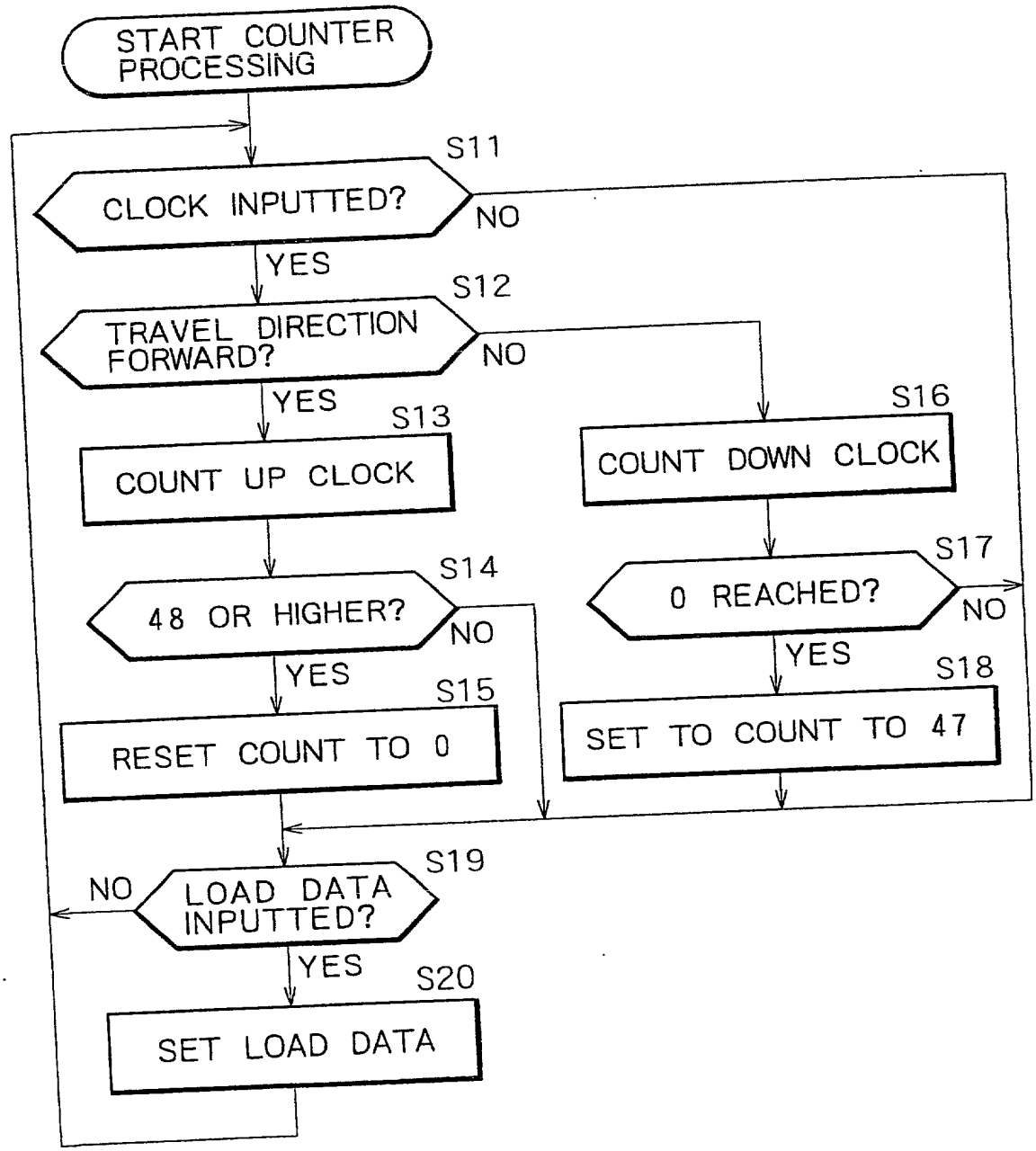

+24-FOLD-SPEED RECORDING/ REPRODUCING HEAD SCAN
+24-FOLD-SPEED NON-RECORDING/ REPRODUCING HEAD SCAN
+24-FOLD-SPEED RECORDING/ REPRODUCING HEAD SCAN
0
1
2
0
1
ECC INTERLEAVE UNIT
-24-FOLD-SPEED RECORDING/ REPRODUCING HEAD SCAN
-24-FOLD-SPEED NON-RECORDING/ REPRODUCING HEAD SCAN
-24-FOLD-SPEED RECORDING/ REPRODUCING HEAD SCAN
MODULO-3 COUNTER
ECC TRACK NUMBER
VIRTUAL MODULO-48 COUNTER
LOCKED PHASE

FIG. 17


START COUNTER PROCESSING
S11
CLOCK INPUTTED?
NO
YES
S12
TRAVEL DIRECTION FORWARD?
NO
YES
S13
COUNT UP CLOCK
S14
48 OR HIGHER?
NO
YES
S15
RESET COUNT TO 0
S16
COUNT DOWN CLOCK
S17
0 REACHED?
NO
YES
S18
SET TO COUNT TO 47
S19
NO
LOAD DATA INPUTTED?
YES
S20
SET LOAD DATA